



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/608,780	06/30/2000	Kia Silverbrook	MJ29US	2324
24011	7590	01/09/2004	EXAMINER	
SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA			BRINICH, STEPHEN M	
		ART UNIT	PAPER NUMBER	
		2624	DATE MAILED: 01/09/2004	

3

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---	---------------------

EXAMINER

ART UNIT PAPER

3

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/608,780	SILVERBROOK, KIA
	<b>Examiner</b>	<b>Art Unit</b>
	Stephen M Brinich	2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM

THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-15 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-15 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. §§ 119 and 120

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \*    c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.
- 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - a) The translation of the foreign language provisional application has been received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 .
- 4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_ .
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6, 7-10, & 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Kent (EP 710005 A2).

Re claims 1 & 7, Kent discloses (Figure 3; column 3, line 51 - column 4, line 52) a digital printing device in which the dot size printed at each location is adjusted.

Re claims 1, 4, & 7-9, the adjustment of dots at each location in a dot array inherently includes adjustment of those dots that are located adjacent to or near to any given location, dots that are longitudinal or transverse from any given location, or dots that are located adjacent to dots produced by a failed device.

Re claims 2-3, & 10, the dot size is adjusted to correspond to the size indicated by image information (column 4, lines 27-28). This result inherently requires that any dots that were

Art Unit: 2624

undersized prior to adjustment are increased, and that any dots that were oversized prior to adjustment are decreased.

Re claim 12, the printer dots are generated by lasers, and the dot size is regulated by adjusting the amount of laser light emission.

Re claims 5-6 & 13-14, Kent does not distinguish between the treatment of dots that are or are not large enough to overlap neighboring dots. Dots are adjusted in the above-described manner in each of these two cases.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kent in view of Applicant's admitted Prior

Art.

Re claim 11, Kent describes the use of a laser printer rather than an inkjet printer to produce print dots. The use of an inkjet printer to produce print dots in a manner analogous to

the use of laser printers is well known in the art as described by Applicant (page 1, lines 4). The use of the Kent arrangement with an inkjet printer substituted for the analogous laser printer in order to similarly correct dot sizes in the former would be an expedient obvious to one of ordinary skill in the art.

5. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kent in view of Kato et al.

Kent does not describe the target to which the laser printer laser elements are applied. The use of a photoconductive imaging drum as such a target in this context is known in the art as disclosed for example by Kato (Figure 1; column 3, line 2). The use of such a photoconductive imaging drum in Kent in order to execute an analogous process of converting the laser outputs to corresponding printed dots would be an expedient obvious to one of ordinary skill in the art.

#### *Conclusion*

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lung, Mitsuse, Ng, and Samworth disclose examples of printer dot size calibration.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen

Art Unit: 2624

M. Brinich at 703-305-4390. The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center 2600 Customer Service center at 703-306-0377.

If attempts to contact the examiner and the Customer Service Center are unsuccessful, supervisor David Moore can be contacted at 703-308-7452.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 703-872-9306.

  
Stephen M Brinich  
Examiner  
Art Unit 2624

smb

January 8, 2004